

**Supplemental  
Notice of Allowability**

Application No.

10/720,432

Examiner

Kevin M. Nguyen

Applicant(s)

LIN, TONY

Art Unit

2629

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/24/2003.
2. ☒ The allowed claim(s) is/are 1-8.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

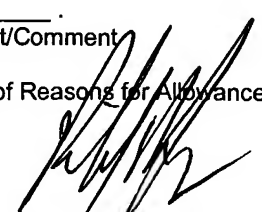
\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |  |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application                      |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|  | 9. <input type="checkbox"/> Other _____.   |

  
RICHARD E. LEWIS  
PATENT ATTORNEY  
BIOLOGY CENTER

### **SUPPLEMENTAL REASONS FOR ALLOWANCE**

1. This Notice of Allowability is provided because claim 8 has been missing in previous Notice of Allowability filed on 9/25/2006.
2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Hicks et al (US 3,916,288) disclose a power supply contains a circuit, including a switch device, which responds to a sudden increase in load current and turns the power supply off for a short predetermined time interval (see the abstract). Kim (US 6,549,197) discloses a technique for stabilizing picture output in video display apparatus (see the abstract). Kapoor et al (US 5,550,557) discloses a power supply for providing a symmetric drive for an AC electroluminescent display panel (see the abstract). Byun (US 7,050,049) discloses a display device which includes a power supply which supplies driving power corresponding to one of a normal mode and a power saving mode (see the abstract). Ishiyama (US 7,106,319) discloses a power supply circuit which includes booster circuits, a potential regulator circuit, a voltage conversion circuit, and a switching element (see the abstract).
3. Claims 1-8 are allowed.
4. The following is an examiner's statement of reasons for allowance:  
  
Independent claim 1 is allowable because the cited prior art, single or combination, does not teach or suggest a display apparatus comprising: a display module, a power control unit, an alternating current-to-direct current converter, a regulator, a delay circuit, a processor, and

“an electronic switch connected electrically to said delay circuit and said processor, said electronic switch being operable for switching from an OFF-mode, where said processor permits said delay circuit to output the second level signal to said regulator such that said regulator is operated in the disabled state, to an ON-mode, where said electronic switch initially enables said delay circuit to output the first level signal to said control input end of said regulator such that said processor receives the target direct current power from said regulator and where said electronic switch outputs a trigger signal to said processor so as to enable said processor to latch the first level signal outputted by said delay circuit and to provide the target direct current power to said display module.”

This patentable distinction is included in the independent claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KEVIN M. NGUYEN whose telephone number is 571-272-7697. The examiner can normally be reached on MON-THU from 9:00-6:00 pm.


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If attempts to reach the examiner by telephone are unsuccessful, a supervisor RICHARD A. HJERPE can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8000.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the Patent Application Information Retrieval system, see <http://portal.uspto.gov/external/portal/pair>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kevin M. Nguyen  
Patent Examiner  
Art Unit 262929

KMN  
October 25, 2006



RICHARD HJERPE  
SUPERVISOR  
PATENT EXAMINER  
OCTOBER 2006